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Date of Deposit: February 24, 2005  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Stahl et al.  
Serial No.: 09/464,303  
Confirmation No.: 7348  
Filed: December 15, 1999  
For: METHODS AND PRODUCTS FOR REGULATING LECTIN  
COMPLEMENT PATHWAY ASSOCIATED COMPLEMENT  
ACTIVATION  
Examiner: Francois P. Vandervegt  
Art Unit: 1644

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.10**

The undersigned hereby certifies that this document is being placed in the United States mail by Express Mail Label No. EV292457700US, addressed to MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 24<sup>th</sup> day of February, 2005.



Michelle M. Quinn

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith are the following documents:

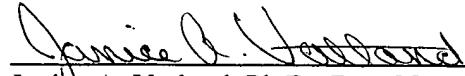
- Supplemental Information Disclosure Statement/PTO Form 1449 with Cited References
- Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 646-8000, Boston, Massachusetts.

A check in the amount of \$180 is enclosed. If additional fees are required, the Commissioner is hereby authorized to charge Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,  
*Stahl et al., Applicant*

By:



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Docket No.: A0752.70001US00  
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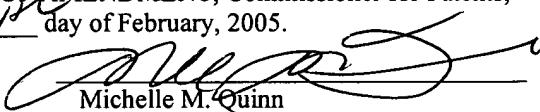
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Michelle M. Quinn

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**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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**SUPPLEMENTAL STATEMENT FILED PURSUANT TO THE DUTY OF**  
**DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98**

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

**PART I: Compliance with 37 C.F.R. §1.97**

This Information Disclosure Statement has been filed more than three months after the filing date of this application and after the mailing date of the first Office Action, but before the mailing date of either a final action under 37 C.F.R. §1.113 or a Notice of Allowance under 37 C.F.R. §1.311, or an action that otherwise closes prosecution in this application.

The fee of \$180 as set forth in 37 C.F.R. §1.17(p) is enclosed.

PART II: Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

PART III: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

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Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,  
*Stahl et al., Applicant*

By:



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600 Atlantic Avenue  
Boston, Massachusetts 02210-2206  
Telephone: (617) 646-8000

Docket No.: A0752.70001US00

Date: February 24, 2005

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FORM PTO-1449/A and B (Modified)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Sheet 1 of 3

APPLICATION NO.: 09/464,303	ATTY. DOCKET NO.: A0752.70001US00
FILING DATE: December 15, 1999	CONFIRMATION NO.: 7348
APPLICANT: Stahl et al.	
GROUP ART UNIT: 1644	EXAMINER: Francois P. Vandervegt

**U.S. PATENT DOCUMENTS**

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		

**FOREIGN PATENT DOCUMENTS**

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			

**OTHER ART – NON PATENT LITERATURE DOCUMENTS**

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	C82	Collard CD, Büküsgolu C, Sperati CJ, Colgan SP, Stahl GL. Reoxygenation of hypoxic human umbilical vein endothelial cells (HUVECs) activates the classical complement (C) pathway. FASEB J. 1996; 10:A621 – <b>ABSTRACT ONLY</b>	
	C83	Väkevä AP, Collard CD, Büküsgolu C, Stahl GL. Complement regulation and activation following hypoxia and reoxygenation of human umbilical vein endothelial cells (HUVECs). FASEB J. 1996; 10:A622 – <b>ABSTRACT ONLY</b>	
	C84	Collard CD and Stahl GL. Deposition of the terminal complement complex (C5b-9) on human umbilical vein endothelial cells (HUVECs) following hypoxia and reoxygenation decreases intracellular levels of cyclic-guanosine monophosphate (cGMP). Circulation 1996; 94:I105 – <b>ABSTRACT ONLY</b>	
	C85	Agah A, Väkevä AP, Morse DS, Rollins SA and Stahl GL. Complement induced apoptosis in vitro and in vivo. Role of the terminal complement complex, C5b-9. Microcirculation 1997;4:124. – <b>ABSTRACT ONLY</b>	
	C86	Collard CD and Stahl GL. Reoxygenation of hypoxic human umbilical vein endothelial cells (HUVECs) deposits C5b-9 and decreases intracellular cGMP. Microcirculation 1997;4:171 – <b>ABSTRACT ONLY</b>	
	C87	Väkevä AP, Morse DS, Rollins SA and Stahl GL. Reoxygenation of hypoxic human umbilical vein endothelial cells (HUVECs) activates complement and induces apoptosis. Role of C5b-9. Exp. Clin. Immunogenet. 1997;14:108 – <b>ABSTRACT ONLY</b>	
	C88	Agah A, Collard CD and Stahl GL. New protein synthesis and NF-κB translocation is required for complement activation on hypoxic/reoxygenated HUVECs. FASEB J. 1998; 12:A28. – <b>ABSTRACT ONLY</b>	

EXAMINER:

DATE CONSIDERED:

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

\*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. \_\_\_, filed \_\_\_, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE - The Office hereby waives the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC 371 after June 30, 2003. See 37 CFR 1.491(b). For all patent applications filed on or before June 30, 2003, copies of cited U.S. patents and patent application publications are still required unless an eIDS is filed. Copies of all other patent(s), publication(s), or other information listed must still be provided, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]



FORM PTO-1449/A and B (Modified) <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				APPLICATION NO.: 09/464,303	ATTY. DOCKET NO.: A0752.70001US00
				FILING DATE: December 15, 1999	CONFIRMATION NO.: 7348
				APPLICANT: Stahl et al.	
Sheet	2	of	3	GROUP ART UNIT: 1644	EXAMINER: Francois P. Vandervegt

#### OTHER ART — NON PATENT LITERATURE DOCUMENTS

C89	Collard CD, Agah A, Morse DS, Rollins SA, Matis LA, Stahl GL. Reoxygenation of hypoxic HUVECs in human sera augments nuclear NF-κB translocation and expression of vascular cell adhesion molecule-1 (VCAM-1): Inhibition with anti-human C5 therapy. Molecular Immunology 1998; 35:335. – <b>ABSTRACT ONLY</b>	
C90	Szebeni J, Fontana JL, Wassef NM, Mongan PD, Morse DS, Stahl GL, Bunger R, Alving CR. Liposome-induced and complement-mediated cardiopulmonary distress in pigs as a model of pseudo-allergic reactions to liposomal drugs. Molecular Immunology 1998; 35:401. – <b>ABSTRACT ONLY</b>	
C91	Szebeni J, Stahl GL, Fontana JL, Dobbins D, Mongan PD, Wassef NM, Morse DS, Bunger R, Alving CR. Liposome-induced acute cardiopulmonary distress in swine is mediated by complement. Circulation 1998; 98:I-133– <b>ABSTRACT ONLY</b>	
C92	Agah A, Young K and Stahl GL. Purification, characterization and cDNA sequencing of porcine mannose-binding lectin (MBL). FASEB J. 1999; 13:A284 – <b>ABSTRACT ONLY</b>	
C93	Vakeva A, Collard CD, Laine P, Morse DS, Paavonen, Meri S, Kovanen, Stahl GL. Mannose-binding lectin co-localizes with complement in atherosclerotic human coronary arteries: a novel role for the lectin complement pathway in human cardiovascular disease. Molecular Immunology 1999; 36:302– <b>ABSTRACT ONLY</b>	
C94	Jordan JE, Morrissey M, Stahl GL. Anti-complement treatment protects hypoxic-reoxygenated HUVECs from apoptosis. Immunopharmacology 2000; 49:24– <b>ABSTRACT ONLY</b>	
C95	Zhao H, Stahl GL. Characterization of monoclonal antibodies (mAb) against native and recombinant human mannose-binding lectin (MBL). Immunopharmacology 2000; 49:83– <b>ABSTRACT ONLY</b>	
C96	Jordan JE and Stahl GL. Inhibition of mannose binding lectin reduces myocardial reperfusion injury: A role for the lectin complement pathway in cardiovascular disease. JACC 2001; 37:378A– <b>ABSTRACT ONLY</b>	
C97	Montaldo MC Collard CD, Buras JA, Reenstra WR, Geis D, Rother RP, Stahl GL. A peptide mimic of N-acetyl-D-glucosamine inhibits the lectin complement pathway following endothelial oxidative stress. FASEB J. 2001; 15:A339 – <b>ABSTRACT ONLY</b>	
C98	Zhao H and Stahl GL. Epitope mapping monoclonal antibodies against human mannose binding lectin. FASEB J. 2001; 15:A685 – <b>ABSTRACT ONLY</b>	
C99	Jordan JE, Montaldo MC, Lopes da Rosa JR, Stahl GL. Regulation of pro-inflammatory genes by the lectin complement pathway following myocardial ischemia-reperfusion. FASEB J. 2001; 15:A463 – <b>ABSTRACT ONLY</b>	

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**OTHER ART — NON PATENT LITERATURE DOCUMENTS**

C100	Jordan JE, Morrissey MA, Stahl GL. Isolation and characterization of anti-rat mannose binding lectin antibodies. FASEB J. 2001; 15:A338– <b>ABSTRACT ONLY</b>	
C101	Mary Walsh, Todd Bourcier, Minoru Takahashi and Gregory Stahl. Complement activation and tissue injury following myocardial ischemia and reperfusion is C1q independent. Molecular Immunology 40: 215, 2003 – <b>ABSTRACT ONLY</b>	
C102	Deepak Bhole, Todd Bourcier and Gregory Stahl. Anoxia/reoxygenation of rat cardiac myocytes precipitates complement activation. Molecular Immunology 40: 215, 2003 – <b>ABSTRACT ONLY</b>	
C103	Melanie Hart, Kathleen Ceonzo, Jon Buras and Gregory Stahl. Gastrointestinal ischemia-reperfusion injury is complement-dependent but not dependent on C1q. Molecular Immunology 40: 187, 2003 – <b>ABSTRACT ONLY</b>	
C104	Minoru Takahashi, Dayang Wu, Michelle Giannoni, Russell P. Rother, Gregory L. Stahl. Cloning and characterization of recombinant human MASP-2 and the functionally blocking anti-human MBL monoclonal antibody, 3F8. Molecular Immunology 41: 314, 2004 – <b>ABSTRACT ONLY</b>	
C105	M.C. Walsh, K. Takahashi, L. Shi, R. Rother, M. Bourgoun, S.D. Solomon, A. Ezekowitz, G.L. Stahl. Complement activation and tissue injury following myocardial ischemia and reperfusion is dependent on MBL. Molecular Immunology 41:322, 2004 – <b>ABSTRACT ONLY</b>	

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